

**Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

**STATE ORIGIN
AIR QUALITY PERMIT**

Permittee Name:	Tyco Adhesives
Mailing Address:	2320 Bowling Green Road, Franklin, Kentucky 42134
Source Name:	Tyco Adhesives
Mailing Address:	2320 Bowling Green Road, Franklin, Kentucky 42134
Source Location:	2320 Bowling Green Road, Franklin, Kentucky 42134
KYEIS ID #:	21-213-00011
SIC Code:	3069
Regional Office	Bowling Green Regional Office 1508 Western Avenue Bowling Green, KY 42104
County:	Simpson
Permit Number:	VS-01-008
Log Number:	54134
Permit Type:	Minor Construction
Application	
Complete Date:	September 28, 2001
Issuance Date:	October 19, 2001
Expiration Date:	October 19, 2006

**John E. Hornback, Director
Division for Air Quality**

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the **construction and** operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify an affected facility without first having submitted a complete application and receiving a permit for the planned activity from the Division, except as provided in this permit or in 401 KAR 52:040, State-origin permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining other permits, licenses, or approvals that may be required by the Cabinet or other federal, state, or local agencies.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

87 (96) Spread line #4

Description:

Spread line: This spread line manufactures biaxially oriented polypropylene film that is coated with adhesive. The adhesive thickness is about 2 mil. The coated adhesive is passed through a dryer where the water is driven off, leaving the solid acrylic adhesive. The coated product is taken to a slitter where it is slit to appropriate width and length.

Control equipment: None

Construction commenced: October, 2001

APPLICABLE REGULATIONS:

401 KAR 59:210, New fabric, vinyl and paper surface coating operations.

401 KAR 59:010, New process operation.

40 CFR 60 Subpart RR, Standards of performance for pressure sensitive tape.

1. Operating Limitations: None

2. Emission Limitations:

- A. 401 KAR 59:210, Section 6, VOC content of the adhesives shall be less than 2.9 lb/gal, excluding water or exempt solvent or both, delivered to the applicators associated with the coating line.

Compliance demonstration method: See Record Keeping Requirements.

- B. 40 CFR 60.440(b), inputs to the adhesives process shall not exceed 45 Million grams of VOC per 12 month period.

Compliance demonstration method:

Compliance shall be demonstrated by a material balance method consisting of record keeping of adhesives and solvent utilized, VOC content and resulting emissions, which will be summarized on a monthly basis. The equation for monthly record keeping is as follows:

$$P_i = \sum (i=1...j) U_i \text{ (gal / month)} \times D_i \text{ (lbs VOC / gal)} / 2000$$

Where P_i equals current monthly VOC emissions in tons and the summation of VOC emissions is over the j adhesives and cleanup solvent used on each affected facility i during the month. Here U is the volume (gal/month) used and D_i is the corresponding VOC content (lbs/gal) for each respective adhesive or clean-up solvent.

The 12-month rolling average of VOC emissions is calculated as follows:

$$P_a = P_i \text{ (current month)} + P_i \text{ (preceding 11 months)}$$

Where P_a equals VOC emissions over the last 12 month period.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**3. Specific Testing Requirements:**

If deemed necessary by the department, the department shall obtain samples of the adhesive used at the affected facility to verify that the adhesives meet the requirements of Section 6 of 401 KAR 59:210 administrative regulation. Appendix A to 40 CFR 60, Method 24A, which has been incorporated by reference in 401 KAR 50:015, shall be used as applicable to determine compliance of the adhesives unless the department determines that other methods would be more appropriate.

4. Specific Monitoring Requirements: See Record Keeping Requirements**5. Specific Record Keeping Requirements:**

401 KAR 59:210, Section 4, The permittee shall maintain daily records of usage of VOC containing material including clean up solvent for the most recent two year period. These records shall be made available to the cabinet or the USA EPA upon request. These records shall include, but not be limited to, the following:

- a. Applicable administrative regulation number;
- b. Application method and substrate type;
- c. Amount and type of adhesive material or solvent used at each point of application, including exempt compounds;
- d. The VOC content as applied in each adhesive material or solvent ;
- e. The date of each application for adhesive material or solvent;
- f. The amount of surface preparation, clean up, or wash up solvent (including exempt compounds) used and the VOC content of each.
- g. Oven temperature

40 CFR 60 Subpart RR 60.445 (a), The permittee shall maintain a calendar month of record of all coatings used and MSDS information to determine VOC content of those coatings.

40 CFR 60 Subpart RR 60.445 (d), The permittee shall maintain a 12 month record of the amount of solvent (VOC) applied in the adhesives at the facility to demonstrate the exemption from 40.442 specified in 60.440(b)

6. Specific Reporting Requirements: See Section C(C)**7. Specific Control Equipment Operating Conditions:** None

SECTION C - GENERAL CONDITIONS

A. Administrative Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:040, Section 3(1)(b) and is grounds for enforcement action including but not limited to the termination, revocation and reissuance, or revision of this permit.
2. This permit shall remain in effect for a fixed term of ten (10) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division. [401 KAR 52:040, Section 15]
3. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 11]
4. Pursuant to materials incorporated by reference by 401 KAR 52:040, this permit may be revised, revoked, reopened, reissued, or terminated for cause. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance shall not stay any permit condition. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 4,5]
5. This permit does not convey property rights or exclusive privileges. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
6. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance. [401 KAR 52:040 Section 11(3)]
7. This permit shall be subject to suspension at any time the permittee fails to pay all fees within 90 days after notification as specified in 401 KAR 50:038, Air emissions fee. The permittee shall submit an annual emissions certification pursuant to 401 KAR 52:040, Section 20. (Note include only if subject to federal NSPS or NESHAP standards or 25 TPY in an ozone Nonattainment)

B. Recordkeeping Requirements

1. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of at least five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality. [401 KAR 52:040 Section 3(1)(f)]

SECTION C - GENERAL CONDITIONS (CONTINUED)

2. The permittee shall perform compliance certification and recordkeeping sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21.

C. Reporting Requirements

1. a. In accordance with the provisions of 401 KAR 50:055, Section 1 the permittee shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - i. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - ii. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
- b. The permittee shall promptly report deviations from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Reporting Requirement condition 1 a) above) , the probable cause of the deviation, and corrective or preventive measures taken; to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report. [Material incorporated by reference by 401 KAR 52:040, Section 5, 3].
2. The permittee shall furnish information requested by the cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the permit. [Material incorporated by reference by 401 KAR 52:040, Section 1a, 8].
3. Summary reports of monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

The summary reports are due January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:040, Section 21. All deviations from permit requirements shall be clearly identified in the reports.

D. Inspections

1. In accordance with the requirements of 401 KAR 52:040, Section 3(1)(f) the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:

SECTION C - GENERAL CONDITIONS (CONTINUED)

- a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
- b. To access and copy any records required by the permit;
- c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
- d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

E. Emergencies/Enforcement Provisions

1. The permittee shall not use as defense in an enforcement action, the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Material incorporated by reference by 401 KAR 52:040, Section 1a, 3].
2. An emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two working days after the time when emission limitations were exceeded due to the emergency and included a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
3. Emergency provisions listed in General Condition E.2 are in addition to any emergency or upset provision contained in an applicable requirement.
4. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof.

F. Compliance

1. Periodic testing or instrumental or non-instrumental monitoring, which may consist of record keeping, shall be performed to the extent necessary to yield reliable data for purposes of demonstration of continuing compliance with the conditions of this permit. For the purpose of demonstration of continuing compliance, the following guidelines shall be followed:

Pursuant to 401 KAR 50:055, General compliance requirements, Section 2(5), all air pollution control equipment and all pollution control measures proposed by the application in response to which this permit is issued shall be in place, properly maintained, and in operation at any time an affected facility for which the equipment and measures are designed is operated, except as provided by 401 KAR 50:055, Section 1.

SECTION C - GENERAL CONDITIONS (CONTINUED)

2. Pursuant to 401 KAR 52:040, Section 19, the permittee shall certify compliance with the terms and conditions contained in this permit by January 30th of each year, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an approved alternative) to the Regional Office listed on the front of this permit in accordance with the following requirements:
- Identification of the term or condition;
 - Compliance status of each term or condition of the permit;
 - Whether compliance was continuous or intermittent;
 - The method used for determining the compliance status for the source, currently and over the reporting period, and
 - For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.
 - The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

**Division for Air Quality
Bowling Green Regional Office
1508 Western Avenue
Bowling Green, KY 42104**

**Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601-1403**

3. Permit Shield - A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with all:
- Applicable requirements that are included and specifically identified in this permit; or
 - Non-applicable requirements expressly identified in this permit.

G. Construction Requirements:

- Pursuant to 401 KAR 52:040, Section 12(3), unless construction is commenced on or before 18 months after the date of issue of this permit, or if construction is commenced and then stopped for any consecutive period of 18 months or more, or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon a written request, the cabinet may extend these time periods if the source shows good cause.
- Pursuant to 401 KAR 52:040, Section 12(4)(a) and 401 KAR 59:005, General provisions, Section 3(1), within 30 days following construction commencement, within 15 days following start-up and attainment of maximum production rate, or within 15 days following the issuance date of this permit, whichever is later, the owner and/or operator of the affected facilities specified on this permit shall furnish to the Regional Office listed on the front of this permit, with a copy to the Division's Frankfort Central Office, the following:
 - Date when construction commenced, (See General Condition G.1).
 - Start-up date of each of the affected facilities listed on this permit.
 - Date when maximum production rate was achieved, (See General Condition G.3.b).

SECTION C - GENERAL CONDITIONS (CONTINUED)

3.
 - a. Pursuant to 401 KAR 59:005, General provisions, Section 2(1), this permit shall allow time for the initial start-up, operation and of the affected facilities listed herein. However, within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial start-up of such facilities, the owner or operator shall demonstrate compliance to a duly authorized representative of the Division.
 - b. Pursuant to 401 KAR 59:005, General provisions, Section 3(1)(b), unless notification and justification to the contrary are received by this Division, the date of achieving the maximum production rate at which the affected facilities will be operated shall be deemed to be 30 days after initial start-up.
4. Operation of the affected facilities authorized by this permit shall not commence until compliance with applicable standards specified herein has been demonstrated in accordance with the requirements of 401 KAR 52:040, Section 12(4)(b). Until compliance is demonstrated, the source may only operate for the purpose of demonstrating compliance.

SECTION D - INSIGNIFICANT ACTIVITIES

Description

Applicable Regulation

- | | |
|--|--|
| 1. Natural gas-fired burners 1.5 mmBTU/hr each | 401 KAR 59:015 |
| 2. 15,000 gallon storage tank | 40 CFR 60 kb Volatile Organic Liquid Storage |